

W/Z Meeting

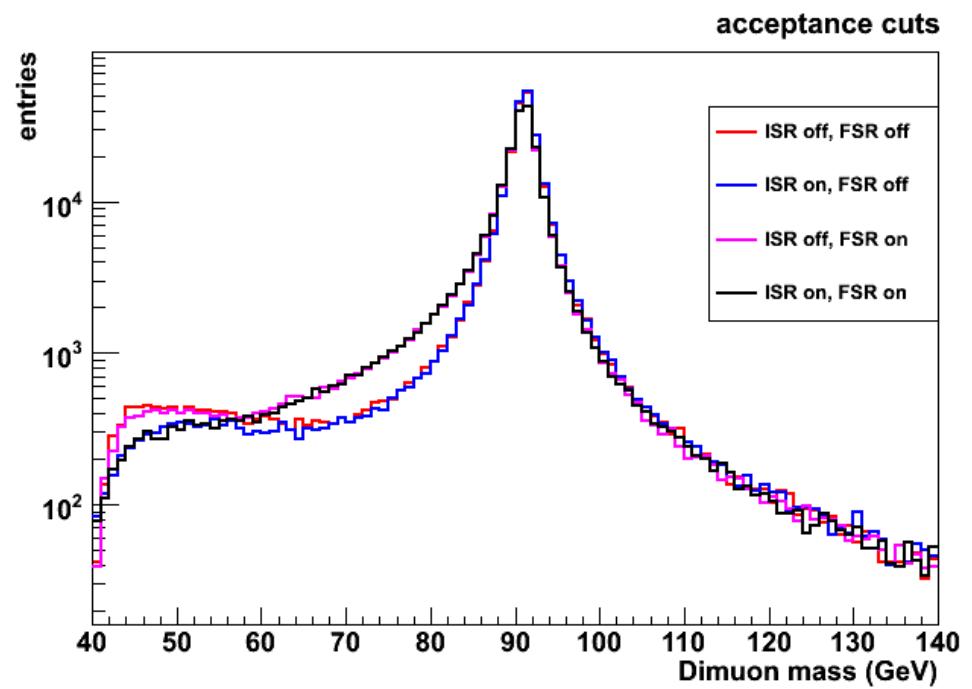
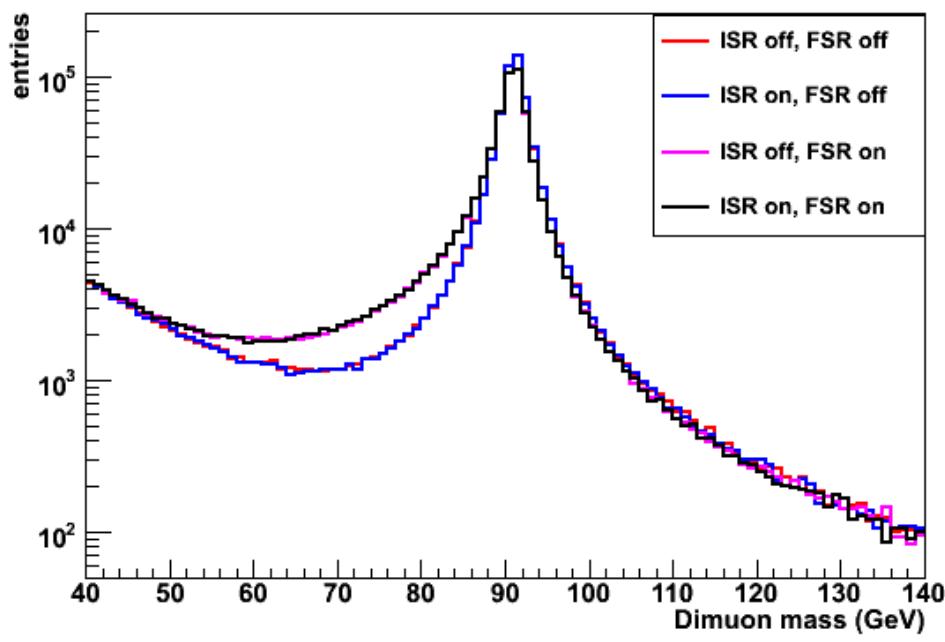
Impact of ISR and FSR in the Z F/B Asymmetry

02/18/2010

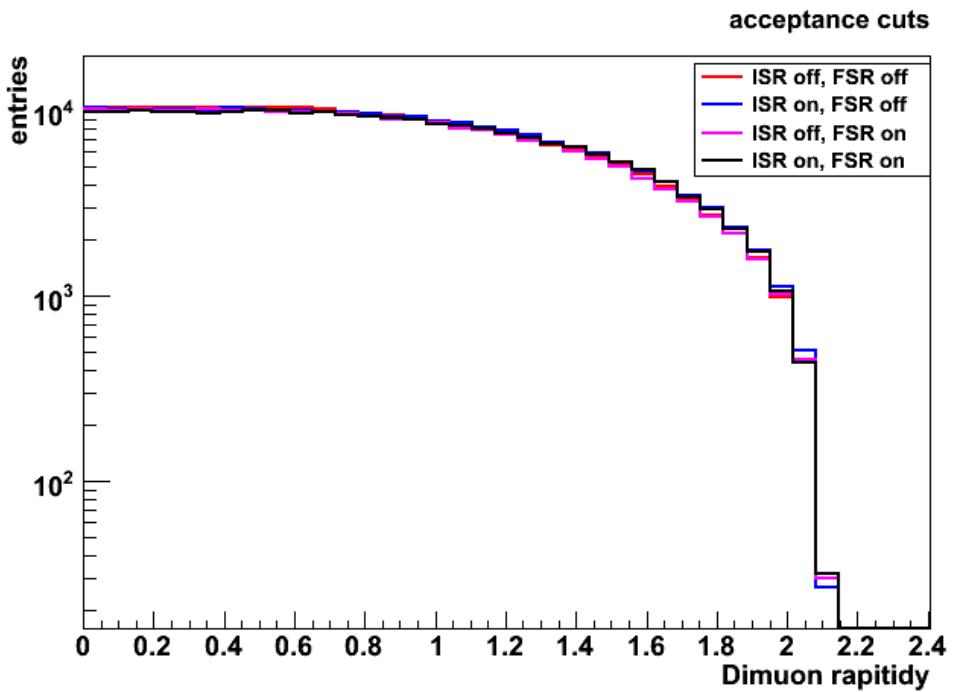
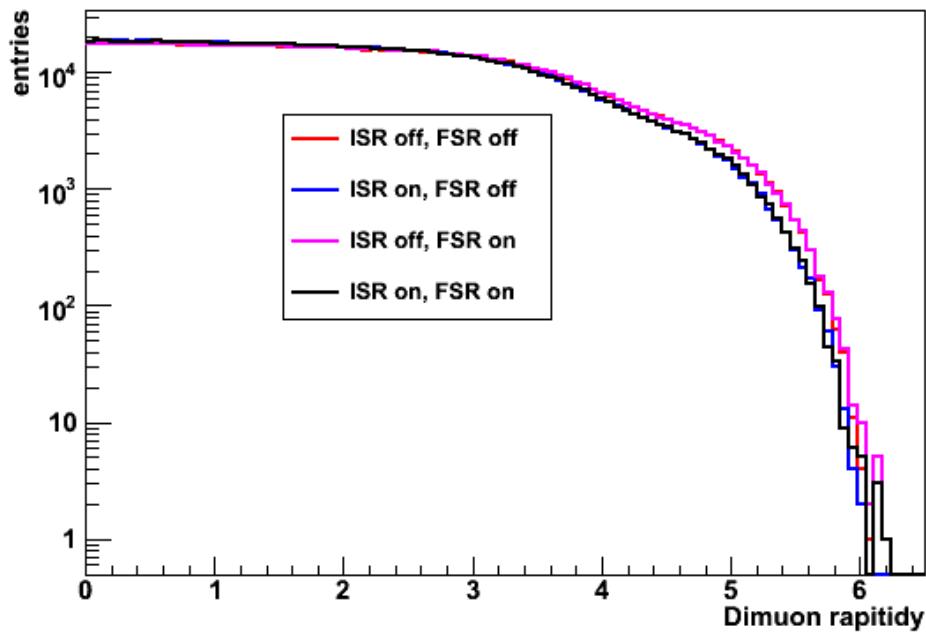


Renata Rodrigues

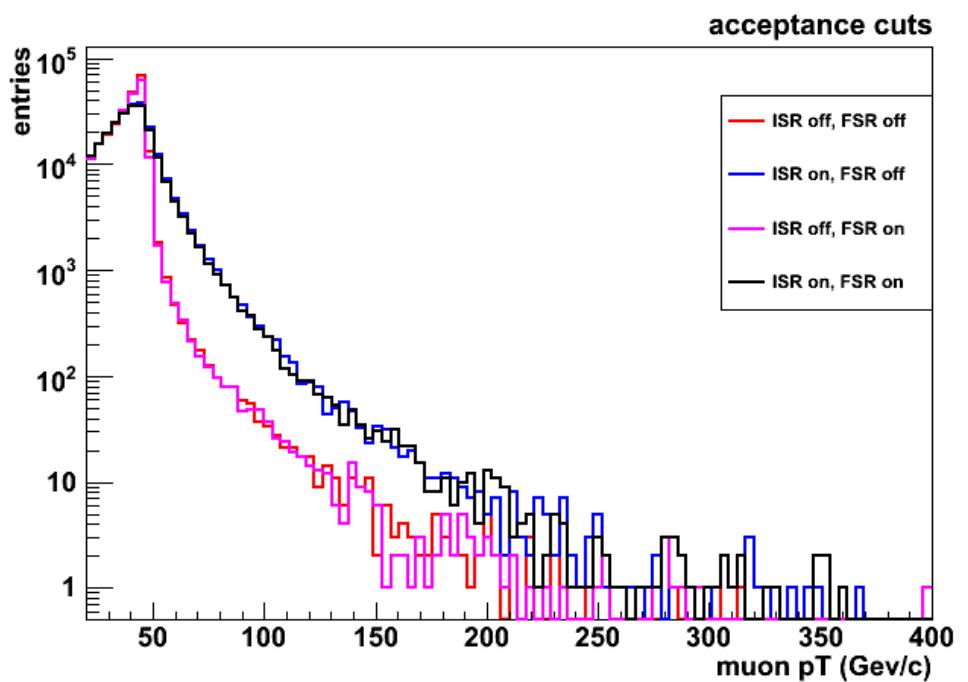
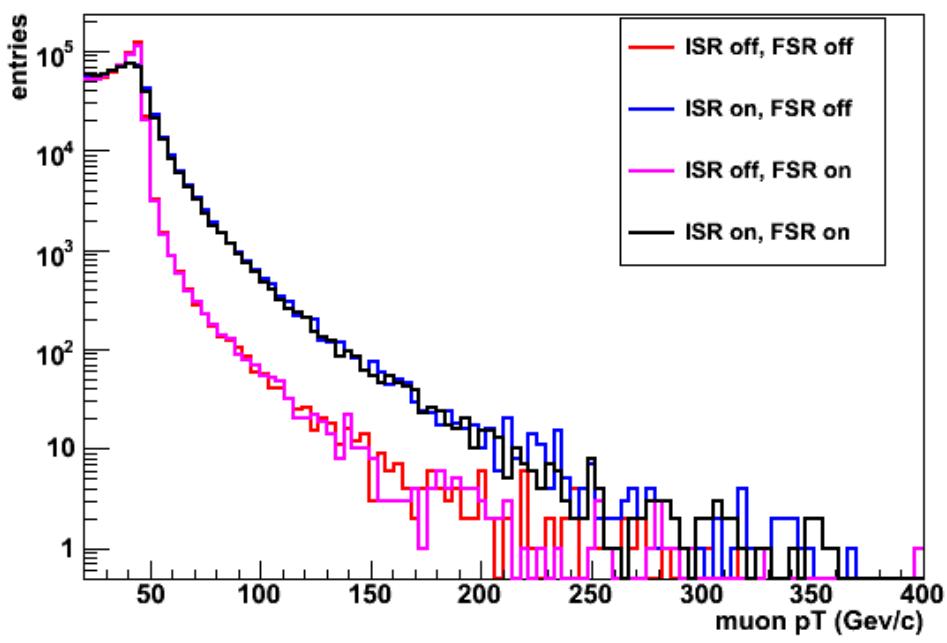
Dimuon mass



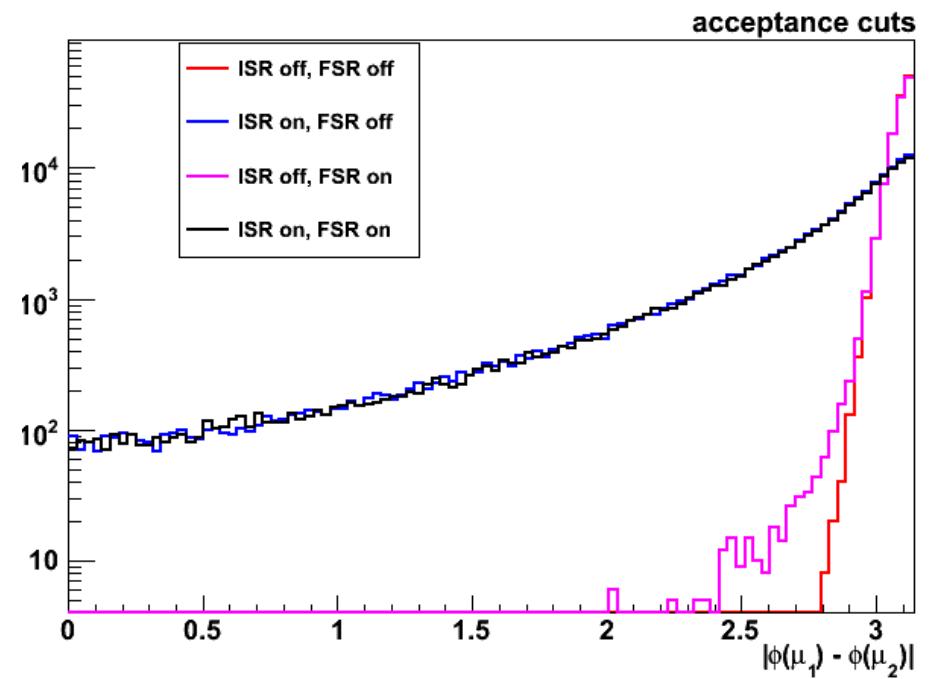
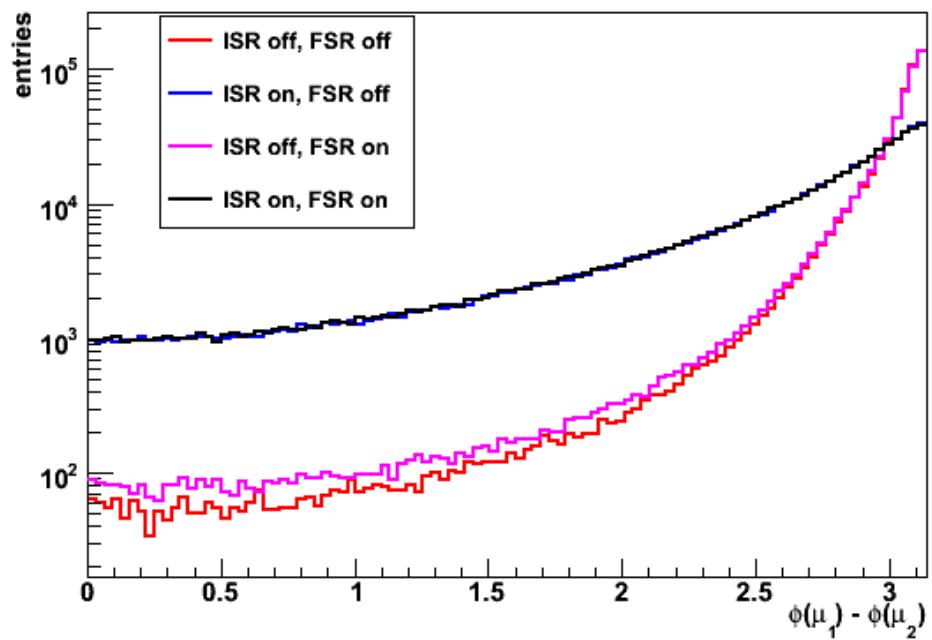
Dimuon rapidity



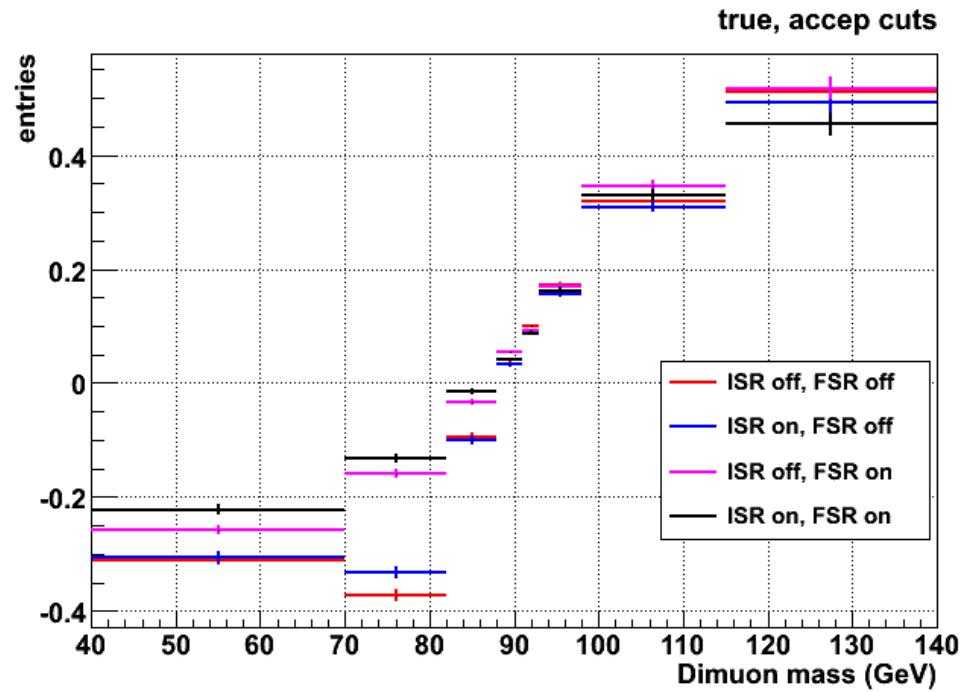
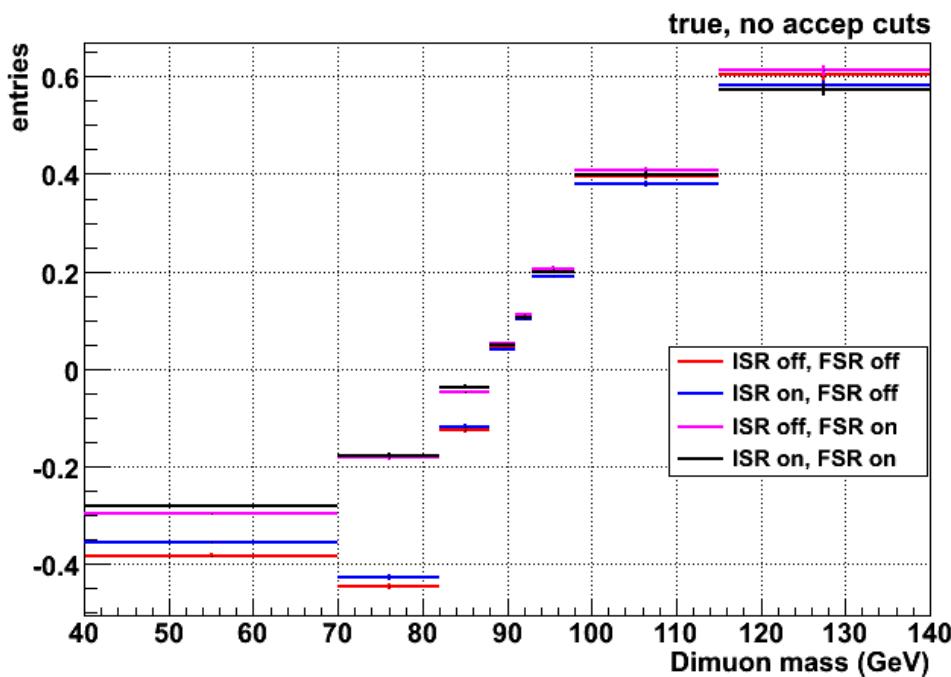
Transverse momentum



Delta phi



F/B Asymmetry



F/B Asymmetry

$M_{\mu\mu}$ range (GeV)	Afb (ISR off, FSR off)	Afb (ISR off, FSR on)	Afb (ISR on, FSR off)	Afb (ISR on, FSR on)
40-70	-0.325 +/- 0.004	-0.303 +/- 0.004	-0.283 +/- 0.004	-0.273 +/- 0.004
70-82	-0.495 +/- 0.005	-0.469 +/- 0.005	-0.234 +/- 0.004	-0.222 +/- 0.004
82-88	-0.127 +/- 0.005	-0.118 +/- 0.005	-0.0478 +/- 0.0037	-0.0371 +/- 0.0037
88-91	0.0424 +/- 0.0022	0.041 +/- 0.002	0.0531 +/- 0.0023	0.0504 +/- 0.0023
91-93	0.110 +/- 0.002	0.103 +/- 0.002	0.111 +/- 0.002	0.104 +/- 0.002
93-98	0.203 +/- 0.004	0.190 +/- 0.004	0.206 +/- 0.004	0.199 +/- 0.004
98-115	0.394 +/- 0.006	0.381 +/- 0.006	0.408 +/- 0.006	0.397 +/- 0.006
115-140	0.603 +/- 0.011	0.581 +/- 0.012	0.612 +/- 0.012	0.572 +/- 0.012

Diluted Asymmetry

